

CLAIMS

1. A method for bandwidth reservation for transmitting source data of a varying data rate in a data network in which a transmission quality determinable in advance can be reserved, the method comprising the steps of:

5 determining source parameters, for the source data stream, in the form of a repetitive sequence of maximum volumes of data and associated times;

determining a minimum bandwidth from the source parameters by dividing a total volume of data by a total time per sequence;

10 using a simulation, for a reserved bandwidth which is not smaller than the minimum bandwidth, to determine a buffer size and, optionally, a maximum bandwidth; and

reserving the operating bandwidth using the determined stream parameters of the minimum bandwidth, the maximum bandwidth, the buffer size and the reserved bandwidth.

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2. A method for bandwidth reservation as claimed in Claim 1, the method further comprising the step of converting source parameters available as a first sequence of block sizes and associated time intervals into a second sequence of transmitted volumes of data and respective time elapsed, and vice versa.

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3. A method for bandwidth reservation as claimed in Claim 1, wherein, for a series of transmitted volumes of data and associated times since the start of the sequence, the simulation subtracts from the volumes of data a respective product of instant and reserved bandwidth and outputs a maximum as the buffer size.

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4. A method for bandwidth reservation as claimed in Claim 1, wherein the simulation forms quotients of block size and associated time intervals and outputs a maximum as the maximum bandwidth.

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5. A method for bandwidth reservation as claimed in Claim 1, wherein the stream parameters are determined from the source parameters at a transmitter.

